

11. **Rhysodesmus smithi**, sp. n. (Tab. XV. figg. 12, 12 a.)

♀. *Colour* doubtful, probably with the metazonites and prozonites brown, the keels certainly mostly yellow; first tergal plate apparently all brown, except the keels; head brown; antennæ yellowish-brown, darker apically; legs pale yellowish.

Antennæ short; width of head about equal to length of segments 2-5.

First tergal plate nearly semilunar in shape, the lateral portion of the anterior border only slightly oblique; lateral portions of posterior border also only slightly oblique. *Body* smooth, shining, convex, with scarcely if any trace of tubercles on the keels. *Keels* small and depressed, not or hardly overlapping when the segments are contracted; ridge of the anterior border produced, if at all, at the anterior angle, which on the segments in the middle of the body is rectangularly rounded; lateral margin lightly rounded; posterior border nearly straight, scarcely produced, inclined backwards from about the 15th segment; posterior angle blunt, nearly rectangular, only a little produced on the 17th and 18th segments; marginal thickening somewhat lozenge-shaped on the pore-bearing segments; *pores* on the fifth in the middle of the margin, behind the middle on the other segments. *Interzonal groove* complete, shallow dorsally. *Sterna* scarcely wider in front, mesially depressed behind, laterally notched. *Legs* with distal segments considerably longer than penultimate.

♂. Smaller and narrower, but with *keels* relatively much larger, their posterior angle square and subacute. Phallopods as figured, and as described in analytical key (*antea*, p. 194).

Length, ♀, 30 millim., width 6+; length of antennæ 5 millim.

„ ♂, 25 „ „ 5 ; „ „ 5 „

Hab. MEXICO, Omilteme in Guerrero 8000 feet (*H. H. Smith*).

12. **Rhysodesmus arcuatus**, sp. n. (Tab. XV. figg. 13-13 e.)

♀. *Colour* deep blackish-brown; keels externally yellow, at least with a large yellow spot around and extending inwards from the pore, the anterior angle and extreme posterior edge of the keels brownish; anterior keels yellower than the posterior; caudal process yellow; head dark brown; antennæ brown; legs yellowish-brown, with terminal segments clear yellow; sterna and lateral surface brownish.

Antennæ moderately long; width of head about equal to segments 2+3+4+half of 5 or over.

First tergal plate with its anterior border only lightly convex in the middle line, generally lightly produced where it passes into the obliquely sloping nearly straight lateral portion; lateral angle moderately wide, rounded; posterior border mesially nearly straight, laterally also nearly straight but oblique. *Body* broad and compact, the keels overlapping. *Keels* moderately large, scarcely following the slope of the dorsal surface, which is often somewhat wrinkled and bears distinct scattered tubercles on the keels; anterior border of keels convex, the ridge defining it curved forwards in such a way that its most prominent point is about halfway along the keel; anterior angle obtusely rounded and forming an even curve with the lateral edge; posterior border a little produced, lightly sinuous or lightly convex, inclined slightly forwards in the anterior half of the body, beginning to incline backwards from about the 15th segment; posterior angle mostly nearly rectangular, acute on segments 15 to 19; the marginal thickening, which is tolerably large, even, and not abruptly expanded round the pore, sometimes a little produced posteriorly. *Pores* lying near the middle of the lateral margin, looking slightly upwards. *Interzonal sulcus* continued right round the segments. *Sterna* mesially depressed, laterally notched, wider in front than behind. *Legs* with distal segment moderately long and slender, longer than the penultimate.

♂. Flatter; the *keels* approaching the horizontal. *Phallopods* as shown in figure and as described in analytical key to species.

Length, ♀, 38 millim., width 10; length of antennæ 7 millim.

„ ♂, 35 „ „ 8.5; „ „ 7.5 „

Hab. MEXICO, Omilteme in Guerrero 8000 feet (*H. H. Smith*).